

Methods are disclosed for enhancing the confidence index in detecting the presence and/or amount of an analyte suspected of being in a sample. In the method, a combination of at least two predetermined derivatives of the analyte is subjected to chromatographic separation. Then, the retention times of the derivatives as a result of the chromatographic separation are determined. The retention times are related to the presence of the analyte in the sample. Detecting a response from each of the derivatives enhances confirmation that the compound detected is the analyte in question further. The number and intensities of the responses is related to the presence and/or amount of the analyte in the sample.

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